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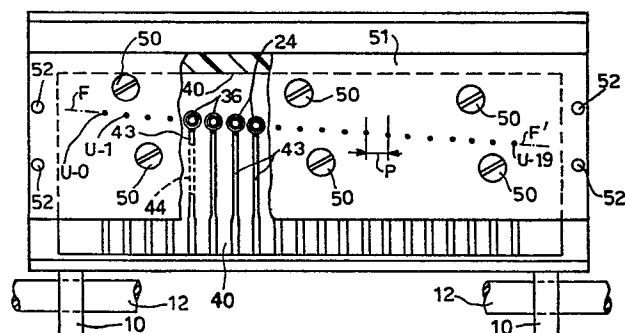
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54 **Ink jet dot printer.**

57 The ink jet dot printer comprises a head mounted on a carriage 10 movable along a platen supporting the paper and is formed by a plurality of tubes (24) and piezoelectric transducers (36) for ejecting the ink, which are supported by two parallel plates spaced from one another, between which a polymerizable resin is cast to form a single block. The tubes are aligned in a single row F-F' in a direction inclined with respect to the printing line, in such manner that the distance between the extreme tubes measured perpendicularly to the printing line is equal to the maximum height of the characters. On the outside of the front plate supporting the tubes (24) there is fixed a thin plate (51) bearing a row of nozzles U₀-U₁₉, each of which is aligned with the corresponding ejector tube (24). The expulsion of the drops of ink is obtained by means of the compression exerted on the tubes (24) by the piezoelectric transducers (36) activated in parallel by electric pulses generated by an energizing circuit under the control of a driving logic circuit by means of which it is possible to vary the slope of the printed characters and obtain bidirectional printing at high speed.



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DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl. ³)
A	US-A-3 911 448 (G. OHNO et al.) * Figures 1,16-18; column 3, lines 4-41; column 9, lines 1-16 *	1	B 41 J 3/04
A	FR-A-2 325 510 (SIEMENS) * Figure 1; page 3, lines 23-34 *	1,3,8	
A	FR-A-2 257 356 (IBM) * Figures 1-3,4a; page 4, line 25 - page 5, line 11 *	1,9	
A	FR-A-2 346 154 (IBM)	1	
A	IBM TECHNICAL DISCLOSURE BULLETIN, vol. 19, no. 8, January 1977, pages 3216-3217, Armonk, New York, US K.A. KRAUSE: "Ink jet head"	1	
The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (Int. Cl. ³)
			B 41 J
Place of search THE HAGUE		Date of completion of the search 26-01-1984	Examiner HERBELET J.C.
CATEGORY OF CITED DOCUMENTS			
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